

Work Order ID 139974

December 16, 2015 8:52:23 AM

139974

Page 1

Item ID: 646.4001 Accept ***N19000040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: AS350 Cable Cutter System
 Start Date: 12/16/2015 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 1/8/2016 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: *SA* Date: **20151216** Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.4000	B								
100	Document Control	0.00	DAS	6					16-01-12
100	DOCUMENT CONTROL		9-89						
DC	Memo	0.00				DAS	27		
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.4001					9-89			JAN 15 2016
110	Pick Kit	0.00							
110						DAS	6		
Packaging	Memo	0.00				9-89			
Packaging							DAS	28	JAN 08 2016
						9-89			
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00					DAS	27	
Quality Control						9-89			JAN 15 2016

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Item ID: 646.4001 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: AS350 Cable Cutter System
Start Date: 12/16/2015 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 1/8/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00				68-6			
130						82			
Packaging	Memo	0.00				SVD			
Packaging	Identify and pack for shipping as per PPP 646.4001								
	Location: <u>PB 101</u>								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

Handwritten notes:
Under 130: *Verdy*
Under 130: *68-6 82 SVD*
Under 130: *10/1/15*
Under 140: *MCS*
Under 140: *JAN 15 2016*
Under 140: *MCS*
Under 140: *JAN 15 2016*

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Work Order ID: 139974

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM
IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3301 *646 3301* Upper Cutter Assy		Manufactured	No				Each	7.0000		1			DAS 6 9-89 DAS 28 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				cck018				7					
				136156				2					
				136497				5					
646.3001 *646 3001* Lower Cutter Assy		Manufactured	No				Each	0.0000		1			68-6 9-89 DAS 28 9-89
										137329			
646.2910 *646 2910* Deflector		Manufactured	No				Each	8.0000		1			DAS 6 9-89 DAS 28 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK050				8					
				136136				8					
646.3810 *646 3810* Bracket		Manufactured	No				Each	10.0000		2			DAS 6 9-89 DAS 28 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK106				10					
				136186				10					

JAN 11 2016

646.9410 IX
Ret ECU 16.503

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Work Order ID: 139974

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

Each

1,657.000

NAS1149F0332P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

ST262

1657

m133709

1657

Each

1,830.000

MS21042L3

Purchased

No

MS21042L3

Nut

Location

Loc Qty

Loc Code

FP001

188

m133790

188

GA

279

m133790

279

ST304

1363

m133790

1363

646.3110

Manufactured

No

646 3110

Channel

DAS
27
9-89

Location

Loc Qty

Loc Code

cck020

8

136153

2

136492

6

Each

15.0000

646.3710

Manufactured

No

646 3710

Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK002

15

127550

15

138 / 144 pur
ECN
16-503

DAS 6 28
9-89 9-89

DAS 6 28
9-89 9-89

DAS 6 28
9-89 9-89

DAS 6 28
9-89 9-89

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Work Order ID: 139974

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

139974

646 4001

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-4A Purchased No

Each 178.0000 10

AN3-4A

Bolt

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

100

m133694

100

ST350

78

m129682

13

m133234

65

10

CR3213-5-3 Purchased No

Each 116.0000

CR3213-5-3

Cherry Rivet

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST319

116

m130388

16

m132763

100

MS20470AD5-5.5 Purchased No

Each 127.0000

MS20470AD5-5 5

Rivet

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST309

127

123425

127

646.3711 Manufactured No

Each 26.0000

646 3711

Clip

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ckk105

26

120626

26

JAN 11 2016

DAS
28
9-89

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Work Order ID: 139974

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3610

Manufactured No

Each

5.0000

1

646.3610

Filler

DAS 28
6 9-89 9-89

DAS 27
9-89

Location

Loc Qty

Loc Code

cck104

5

136278

5

646.3714

Manufactured No

Each

8.0000

1

646.3714

Gusset

DAS 28
6 9-89 9-89

DAS 27
9-89

Location

Loc Qty

Loc Code

cck105

8

120632

8

MS20470AD5-6

Purchased No

Each

1,008.000

8

MS20470AD5-6

RIVET

DAS 28
6 9-89 9-89

DAS 27
9-89

Location

Loc Qty

Loc Code

CCK004

890

124089

890

ST309

118

105433

118

646.3812

Manufactured No

Each

11.0000

2

646.3812

Gusset Bracket

DAS 28
6 9-89 9-89

DAS 27
9-89

Location

Loc Qty

Loc Code

CCK106

11

136113

6

138194

5

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Work Order ID: 139974

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-3A Purchased No

Each 300.0000 4

AN3-3A

Bolt

DAS
6
9-89
DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

104

m131624

104

ST350

196

m133483

96

m133833

100

4

646.3813 Manufactured No

Each 11.0000

646.3813

Strut Bracket

DAS
6
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

CCK106

11

127453

1

132541

5

138267

5

3

MS20470AD5-7 Purchased No

Each 524.0000

MS20470AD5-7

Rivet

DAS
6
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

ST309

524

123425

524

3

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DAS
27
9-89

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Work Order ID: 139974

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

MS21047-3

Purchased

No

Each

155.0000

18

MS21047-3

Nut Plate

DAS
27
9-89

Location

Loc Qty

Loc Code

ST301

147

m133234

47

m133577

50

m133790

50

ST303

8

m130388

8

Each

398.0000

36

DAS
6
9-89
DAS
28
9-89

CCR264SS3-02

Purchased

No

CCR264SS3-02

Rivet, Cherry

DAS
27
9-89

Location

Loc Qty

Loc Code

ST321

398

M132317

4

M133134

2

M133316

192

M133790

200

Each

161.0000

2

DAS
6
9-89
DAS
28
9-89

AN3-5A

Purchased

No

AN3-5A

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

30

m133686

30

ST350

131

m133686

131

DAS
6
9-89
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Work Order ID: 139974

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3715

Manufactured No

Each

5.0000

2

646 3715

Strut Doubler

DAS
6
9-89
DAS
28
9-89

DAS
27
9-89

MS27039-1-12

Purchased No

Each

128.0000

6

MS27039-1-12

Screw

DAS
6
9-89
DAS
28
9-89

DAS
27
9-89

646.3716

Manufactured No

Each

12.0000

1

646 3716

Gauge Bracket

DAS
6
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

cck105

12

133105

1

136122

3

136410

8

MS20426AD5-7

Purchased No

Each

58.0000

2

MS20426AD5-7

RIVET

DAS
6
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

ST311

58

101340

8

M132767

50

DAS
27
9-89

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Work Order ID: 139974

139974

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

MS24694-S54

Purchased

No

Each

102.0000

2

MS24694-S54

SCREW

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

ST284

102

m133031

2

m133134

100

MS27039-1-21

DAS
27

Purchased

No

Each

396.0000

4

MS27039-1-21

Screw

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

over006

245

m127904

245

ST279

150

m127904

150

ST284

1

m126319

1

MS27039-1-20

DAS
27

Purchased

No

Each

190.0000

2

MS27039-1-20

Screw

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

ST284

190

124326

190

MS27039-1-19

DAS
27

Purchased

No

Each

134.0000

22

MS27039-1-19

Screw

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

GA

4

m124326

4

ST280

130

m133134

130

DAS

27

9-89

DAS

6

9-89

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Work Order ID: 139974

139974

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3717	Manufactured	No	Each	7.0000	1	DAS 6 9-89	DAS 28 9-89
----------	--------------	----	------	--------	---	------------------	-------------------

646 3717

Doubler

			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
646.3718	Manufactured	No	cck105	7			
			120633	7			
				Each	0.0000		

646 3718

Custom Washer

646.3719	Manufactured	No	Each	8.0000	2	DAS 6 9-89	DAS 28 9-89
----------	--------------	----	------	--------	---	------------------	-------------------

646 3719

Doubler

			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
MS27039-1-10	Purchased	No	cck105	8			
			120634	8			
				Each	167.0000		

MS27039-1-10

SCREW

			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
			CA	41			
			m128635	41			
			GA	50			
			m129541	50			
			ST280	73			
			m132677	73			
			ST285	3			
			m123522	2			
			m132640	1			

DAS
27
9-89

DAS
6
9-89

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Work Order ID: 139974

139974

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-11A

Purchased

No

Each

154.0000

10

AN3-11A

Bolt

DAS

6

DAS

9-89

28

9-89

Location

Loc Qty

Loc Code

over003

150

m133363

50

m133561

100

ST349

4

m133234

4

DAS
27
9-89

600.0990

Purchased

No

Each

19.0000

1

600 0990

Magnabond 6398 Part A

DAS

28

9-89

Location

Loc Qty

Loc Code

CA

12

M133800

12

PKG

7

M131589

7

2/11/2016

Each

20.0000

1

DAS

6

9-89

DAS
27
9-89

600.0990

Purchased

No

600 0991

MAGNOBOND 6398 PART B

DAS

6

DAS

9-89

28

9-89

Location

Loc Qty

Loc Code

CA

12

m133800

12

PKG

8

m131589

8

2/11/2016

DAS
27
9-89

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Work Order ID: 139974

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

139974

646 4001

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

600.1012

Purchased

No

Each

19.0000

1

600 1012

Sealant PR1425B2 (#654 sem)

DAS

28

DAS 9-89

6
9-89

Location

Loc Qty

Loc Code

cck017

18

m133515

8

m133800

8

m133380

2

6/1/2016

cck018

1

m131364

1

10/30/2015

600.0129

Purchased

No

f

541.0000

8

600 0129

VHB TAPE 75935A651

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK095

541

m127920

325

m131311

216

600.1013

Purchased

No

Each

875.0000

600 1013

021200-3M TAPE PRIMER 94 PRIMER 24216

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK095

875

m131145

875

6/15/2016

646.3910

Manufactured

No

Each

4.0000

4

646 3910

Shim

JAN 07 2016

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK106

4

122951

4

DAS

27

9-89

DAS

6

9-89

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3911

Manufactured No

Each

66.0000

1

646.3911

Shim

DAS
27
9-89

Location

Loc Qty

Loc Code

cck104

18

126229

18

CCK106

48

126059

48

**

DAS
6
9-89

DAS
28
9-89

646.3912

Manufactured No

Each

36.0000

4

646.3912

Shim

DAS
27
9-89

Location

Loc Qty

Loc Code

cck023a

10

124501

10

CCK106

26

123143

26

**

DAS
6
9-89

DAS
28
9-89

646.3913

Manufactured No

Each

105.0000

1

646.3913

Shim

DAS
27
9-89

Location

Loc Qty

Loc Code

cck023aq

81

126060

81

CCK106

24

124108

24

**

DAS
6
9-89

DAS
28
9-89

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Work Order ID: 139974

139974

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-12A Purchased No

Each 109.0000 2

AN3-12A

Bolt

**

68-8
9
DAS
28
9-89

DAS
27
9-89

Location Loc Qty Loc Code

GA 5

m129682 5

ST349 104

m133064 16

m133234 88

MS27039-1-16 Purchased No

Each 132.0000

MS27039-1-16

Screw

**

DAS
6
28
9-89

Location Loc Qty Loc Code

ST285 132

m130388 4

m131317 28

m132344 100

650.9201 Manufactured No

Each 3.0000

650 9201

Eyelet Bracket Assembly

**

DAS
6
28
9-89

Location Loc Qty Loc Code

ckk127 3

136204 3

AN44-5A Purchased No

Each 24.0000

AN44-5A

Eyebolt

**

DAS
6
28
9-89

Location Loc Qty Loc Code

ST339 24

m126193 4

m133134 8

m133790 12

JAN 08 2016

DAS
27
9-89

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN665-34R

Purchased

No

Each

42.0000

2

DAS
6
9-89

AN665-34R

Clevis

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST330

42

M130388

4

M133483

8

M133523

30

2

DAS
27
9-89

AN4C7A

Purchased

No

Each

82.0000

2

AN4C7A

BOLT

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

OVER002

20

m133523

20

ST340

20

m133363

20

ST345

42

m127363

22

m133790

20

2

DAS
27
9-89

NAS1149F0432P

Purchased

No

Each

704.0000

4

NAS1149F0432P

WASHER

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST262

534

M132551

34

M133709

500

st268

170

M128995

45

M132677

125

4

DAS
27
9-89

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DAS
6
9-89

DAS
28
9-89

ADD MS24693-C278 x 5B 133996

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DAS
27
9-89

646.9410 x 1 B
-b ship without SHINS

pu ECN
16-503

15-1-15

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Work Order ID: 139974

139974

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

Each

3,335.000

2

MS21042L 4

Locknut

Location

Loc Qty

Loc Code

FP001

137

DAS

DAS
28
9-89

m133363

137

6
9-89

GA

49

m127813

49

ST260a

92

m130799

56

m132262

36

ST303

2924

m133769

2924

ST305

133

m128300

8

m130388

4

m130922

97

m132123

24

DAS
27
9-89

AN316C4R

Purchased

No

Each

89.0000

2

AN316C4R

NUT

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST331

89

m133234

43

m133523

46

MS21042-3

MS21042L3

Purchased

No

Each

18.0000

2

MS21042-3

Nut / use MS21042L3

DAS
6
9-89

JAN 07 2016
DAS
28
9-89

Location

Loc Qty

Loc Code

ST304

18

M129682

18

DAS
27
9-89

December 16, 2015 8:52:28 AM

Shop Packet Print

Page 18

Picklist Print

December 16, 2015 8:52:28 AM

Page 19

Work Order ID: 139974

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

139974

646 4001

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-13

Purchased

No

Each

344.0000

2

MS27039-08-13

Screw

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST277

340

124326

340

2

ST281

4

M130388

4

MS21042-08

DAS
27
9-89

MS21042L08

Purchased

No

Each

33.0000

2

MS21042-08

USE MS21042L08

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

NAS1149FN832P

DAS
27
9-89

Purchased

No

Each

4,549.000

4

NAS1149FN832P

Washer

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

103

M133316

103

ST260a

2500

M133769

2500

ST262

1946

M133709

1946

DAS
27
9-89

JAN 07 2016

4

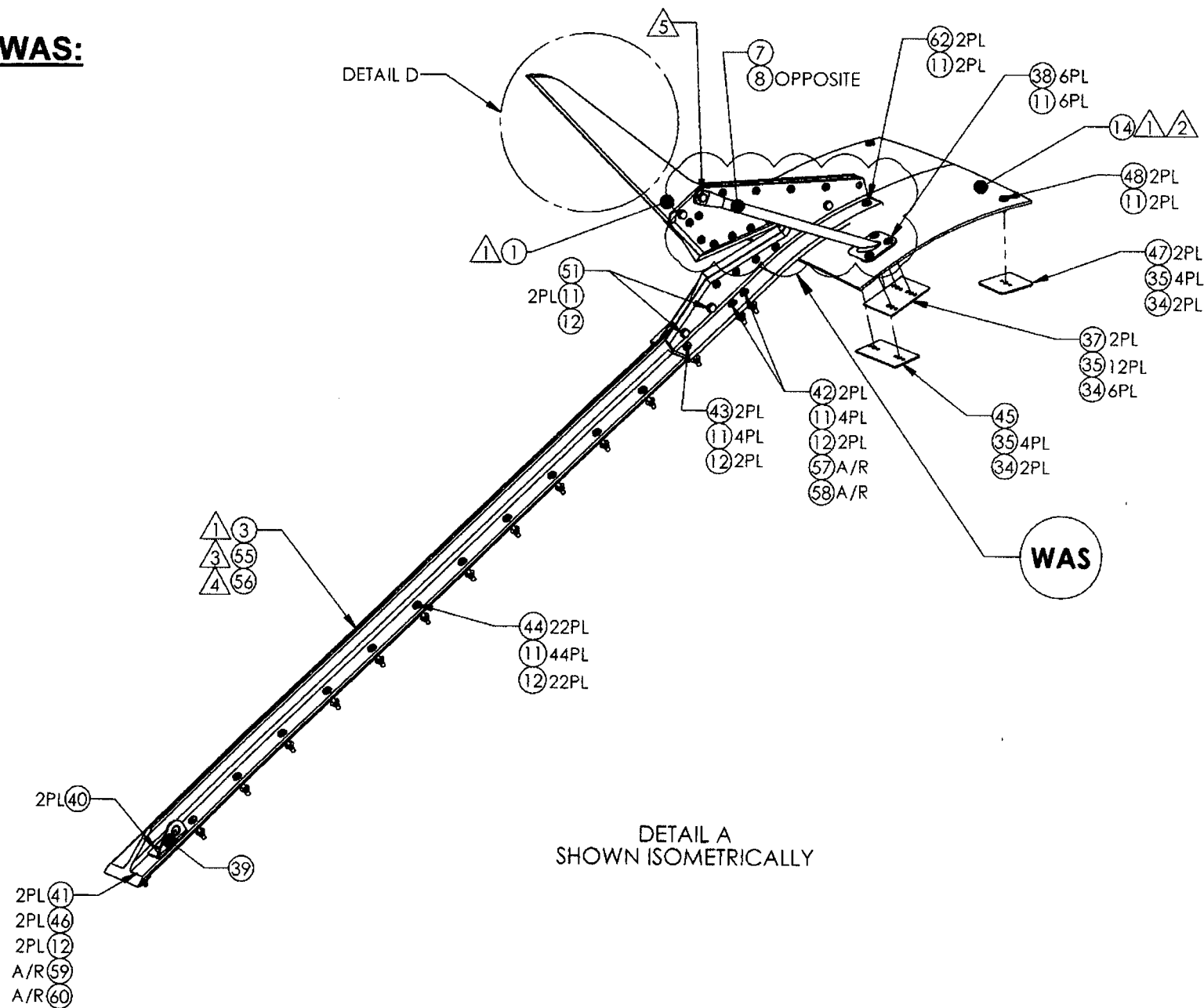
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 04731			SHEET 1 OF 2	
	DWG NO. 646.4000	REV: A	PREPARED BY J. SOTO	DATE: 11/04/2014	EFFECT ON DWG ☒ INC. ☐ UNINC.
	DWG TITLE: AS350 CABLE CUTTERS KIT				
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF. NEXT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED BOM. INCORPORATED ECN 03046 AND 03079.				

20151216 *SW* 139874

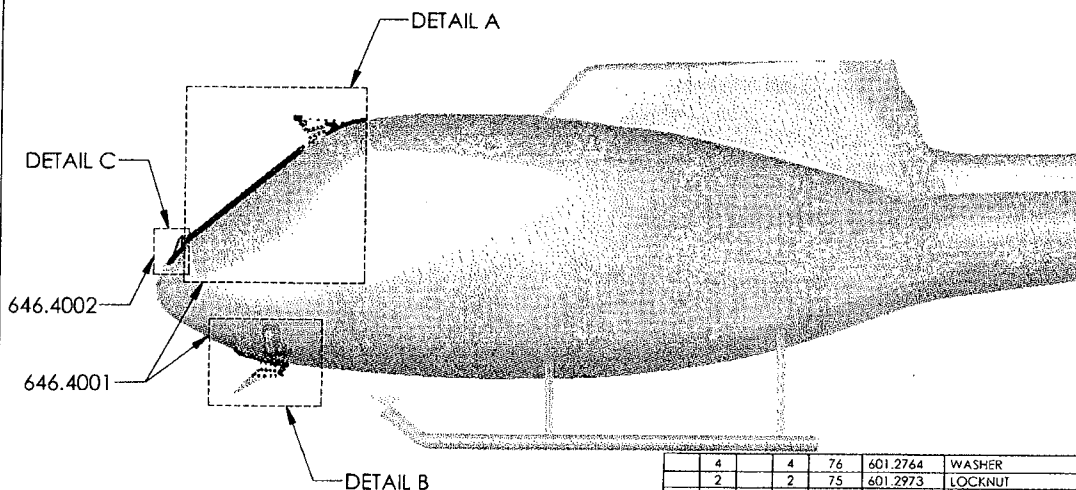
76	A	601.2764	4	4	WASHER	NAS1149FN832P	
75	A	601.2973	2	2	LOCKNUT	MS21042-08	
74	A	601.2988	2	2	SCREW	MS27039-0813	
73	A	601.2943	2	2	LOCKNUT	MS21042-3	
72	A	601.3128	2	2	NUT	AN316C4R	
71	A	601.3209	2	2	LOCKNUT	MS21042L4	
70	A	601.2638	4	4	WASHER	NAS1149F0432P	
69	A	601.2669	2	2	BOLT	AN4C7A	
68	A	601.3119	2	2	CLEVIS	AN665-34R	
67	A	601.3121	2	2	EYE BOLT	AN44-57	
66	A	650.9201	2	2	EYE BRACKET ASSY		
51	R	601.2926	10	10	BOLT	AN3-11A	
12	R	601.1624	53	61	LOCKNUT	MS21042L3	
11	R	601.1607	120	138	WASHER	NAS1149F0332P	
8	R	647.7703	2	2	STRUT ASSY		
7	R	647.0112	2	2	STRUT BRACKET		
F/N TC	PART NUMBER	.4003	.4001				
		QTY			DESCRIPTION	MATERIAL	SPECIFICATION

DOCUMENTS EFFECTED:	☐ MDL ☒ INSTALL INSTRUCTIONS ☒ ICA ☐ FMS ☒ BOM	CHANGE CATEGORY	DER REVIEW REQUIRED
		☐ MAJOR ☒ MINOR	☐ YES ☒ NO

SHEET 2 WAS:



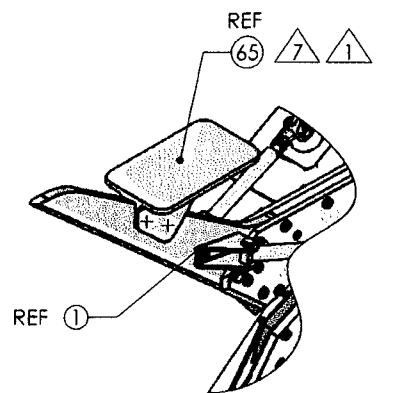
- ① AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES
- ② INSTALL F/N 14 WITH F/N 52 & 53
- ③ 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR : MCMMASTER-CARR P/N 75935A651
- ④ 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE
VENDOR: R.S. HUGHES P/N 021200-24216
- ⑤ REUSE FASTENERS FROM F/N 1
- ⑥ USE WASHERS AS REQUIRED AS SHIMS TO OBTAIN BEST FITMENT
- ⑦ AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1



QTY	REF	REF	QTY	REF	PART #	DESCRIPTION	MATL	SPEC
4			76		601.2764	WASHER	NAST10FFB832 P	
2			75		601.2973	LOCKNUT	MS21042-08	
2			74		601.2988	SCREW	MS27039-0613	
2			73		601.2943	LOCKNUT	MS21042-3	
2			72		601.3128	NUT	AN316C4R	
2			71		601.3209	LOCKNUT	MS21042-4	
4			70		601.2638	WASHER	NAST10FFD432 P	
2			69		601.2669	BOLT	AN4C7A	
2			68		601.3119	CLEVIS	AN665-34R	
2			67		601.3121	EYE BOLT	AN44-5A	
2			66		650.9201	EYE BRACKET ASSY		
REF	REF	REF	65		647.5701	GYS MOUNT KIT		
			64		601.3151	WASHER	NAST11HFD033P	
			63		601.2911	SCREW	MS24484-53	
			62		601.2637	SCREW	MS27039-1-16	
			61		601.2763	BOLT	AN3-12A	
			60		646.3913	SHIM		
			59		646.3912	SHIM		
			58		646.3911	SHIM		
			57		646.3910	SHIM		
			56		600.1013	PRIMER		
4004	4003	4002	4001	FINO #	PART #	DESCRIPTION	MATL	SPEC

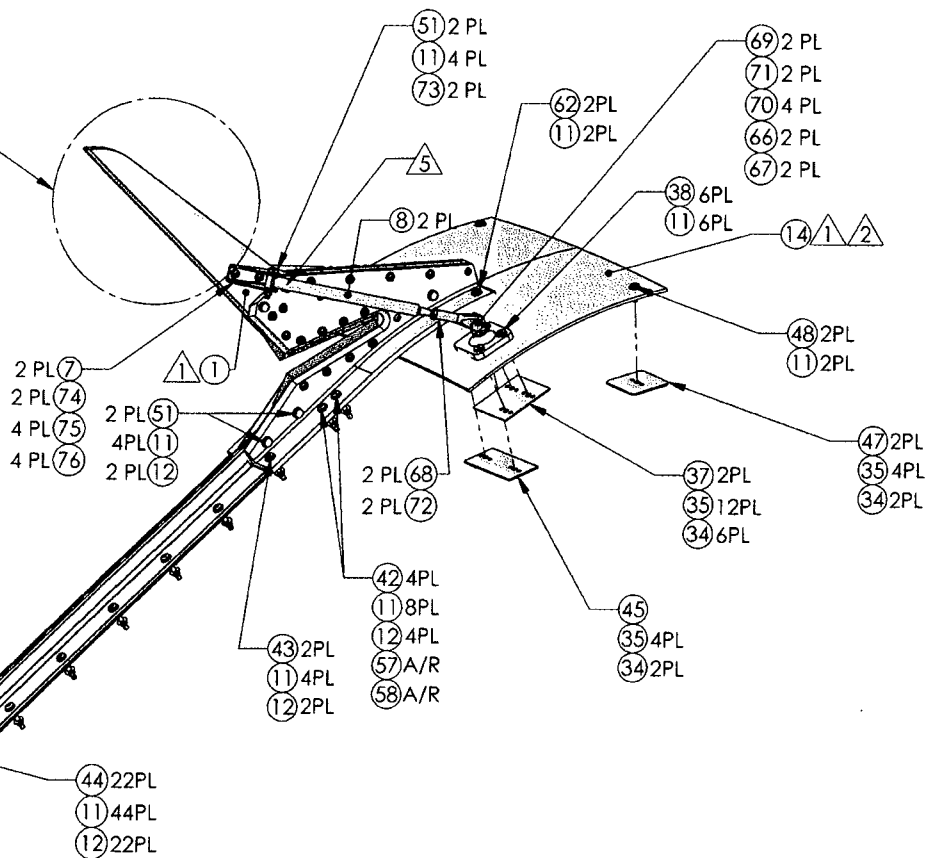
	8 FT		55	600.0129	VHB TAPE			
	1	1	54	600.1012	SEALANT		PR-1425 CLASS B	
	1	1	53	600.0991	MAGNOBOND 6398 PART B		A	
	1	1	52	600.0990	MAGNOBOND 6398 PART A		AN3-11A	
	10		10	51	BOLT			
		2		50	646.3814	WIPER BRACKET		
		2		49	601.2910	SCREW	MS27039-1-I-B	
2			2	48	601.1365	SCREW	MS27039-1-I-10	
2			2	47	646.3719	DOUBLER		
	2		2	46	646.3718	CUSTOM WASHER		
1			1	45	646.3717	DOUBLER		
	22	2	22	44	601.1948	SCREW	MS27039-1-I-19	
	2	2	2	43	601.1952	SCREW	MS27039-1-I-20	
	4	4	4	42	601.1956	SCREW	MS27039-1-I-21	
	2	2	2	41	601.2829	SCREW	MS24694554	
	2	2	2	40	601.2831	RIVET	MS20426AOS-7	
	1		1	39	646.3716	GAUGE BRACKET		
	6		6	38	601.1953	SCREW	MS27039-1-I-12	
2			2	37	646.3715	STRUT DOUBLER		
	2		2	36	601.2824	RIVET	AN3-5A	
36			36	35	601.2277	BOLT	CCP78455-3-02	
18			34	34	600.0795	NUT/PLATE	CS3210-3	
3			3	33	601.2565	STRUT	MS20470ADS-7	
			1	32	646.3813	RIVET BRACKET		
4			4	31	601.2822	BOLT	AN3-3A	
2			2	30	646.3812	GUSSET BRACKET		
6			8	29	601.2564	RIVET	MS20470ADS-6	
1			1	28	646.3714	GUSSET		
	1		1	27	646.3610	FILLER		
	1		1	26	601.2830	SCREW	MS24694555	
	2		2	25	601.2825	BOLT	AN3-6A	
	1		1	24	646.3811	RADIUS BLOCK		
	1		1	23	646.3712	CLIP		
	1		1	22	646.3711	CLIP		
8			8	21	601.2832	RIVET	MS20470ADS-5.5	
14			14	20	601.2020	RIVET	CR3210-5.5	
10			10	19	601.2823	BOLT	AN3-4A	
	1		1	18	601.2827	BOLT	AN3-13A	
	5		5	17	601.2912	SCREW	MS24694551	
1			1	16	646.3713	GUSSET		
1			1	15	646.3210	SUPPORT		
1			1	14	646.3710	DOUBLER		
	1		1	13	646.3110	CHANNEL		
8	53	6	61	12	601.1624	LOCKNUT	MS2104-2L3	
18	120	16	138	11	601.1607	WASHER	NAS114F00332P	
		1		10	646.3410	LH WIPER DEFLECTOR		
		1		9	646.3411	RH WIPER DEFLECTOR		
	2		2	8	647.7703	STRUT ASSY		
	2		2	7	647.0112	STRUT BRACKET		
	1		1	6	646.3511	STRUT		
	1		1	5	646.3510	STRUT		
2			2	4	646.3810	BRACKET		
	1		1	3	646.2910	DEFLECTOR		
	1		1	2	646.3001	LOWER CUTTER ASSY		
	1		1	1	646.3301	UPPER CUTTER ASSY		
X					646.4004	FIXED PROVISIONS KIT		
	X				646.4003	CABT CUTTERS KIT WITHOUT TIEIN		
		X			646.4002	PROVIDING AS330 WIPER DEFLECTOR KIT		
			X		646.4001	AS330 CABLE CUTTERS KIT		
.4004	.4003	.4002	.4001	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY				PARTS LIST				
NEXT ASSY (S)				APICAL INDUSTRIES				
				2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300				
				AS330 CABLE CUTTERS KIT				
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACES DECIMALS ± .015 ANGLES 1° ± .5° CONTRACT NO.				
				DRAWN BY P. BRAVO CHECKED S. HUFF DESIGNED BY P. BRAVO DATE 08-25-08 BY APPROVAL				
				REV. Q SCALE NONE SHIPT LO F A				

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DETAIL D
TYPICAL GPS MOUNT KIT INSTALLATION

DETAIL D

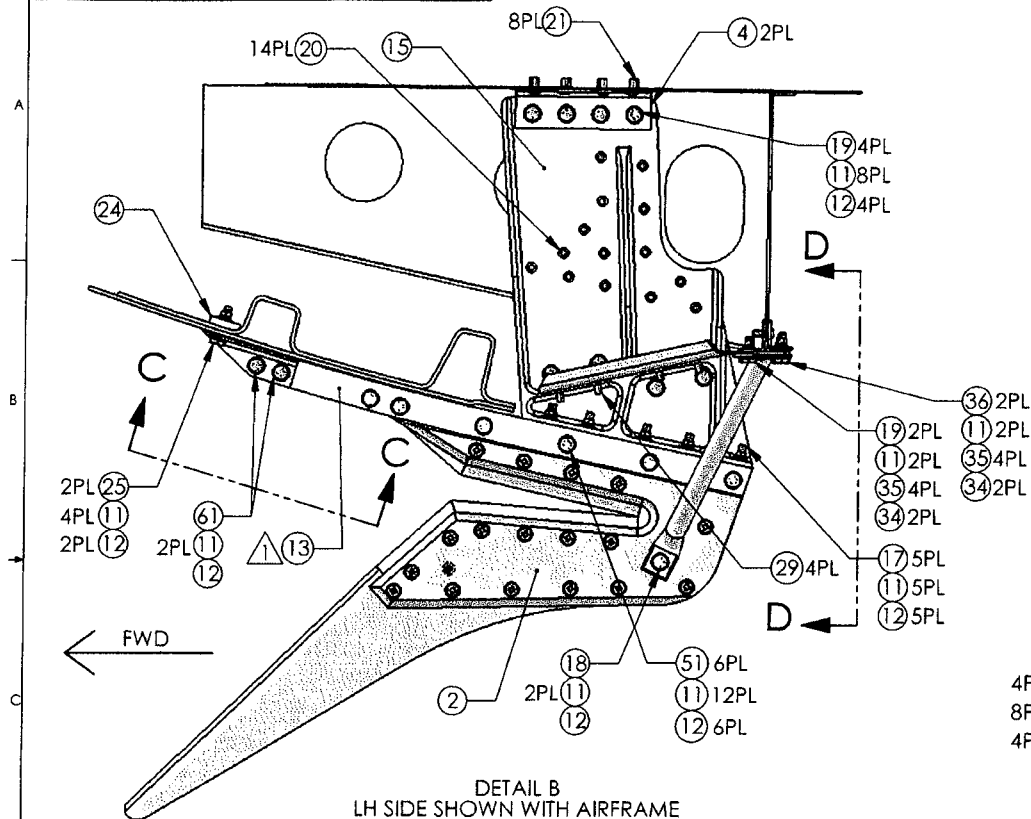


DETAIL A
SHOWN ISOMETRICALLY

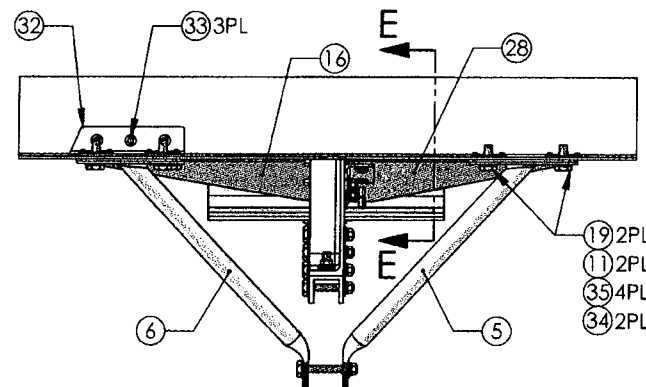
ORIGINAL DATE 04/01/1998		ISSUED BY S. HUFF		CHECKED BY P. BRAVO	
DRAWING APPROVAL P. BRAVO		CONTRACT NO.		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	CAGE CODE D7M26	QTY. NO. 646.4000	REV. B
SCALE: NONE		SHEET		2 OF 4	

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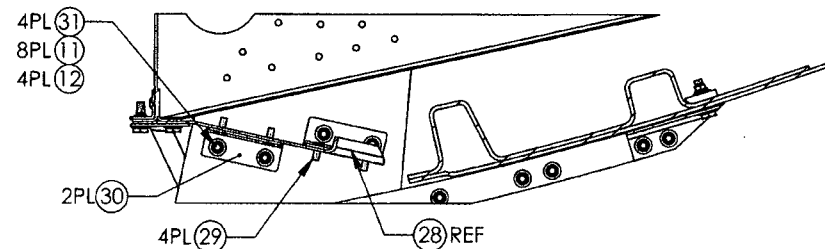
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



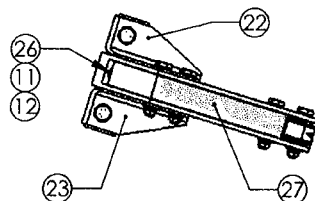
DETAIL B
LH SIDE SHOWN WITH AIRFRAME



SECTION D-D
CUTTER HIDDEN FOR CLARITY



SECTION E-E

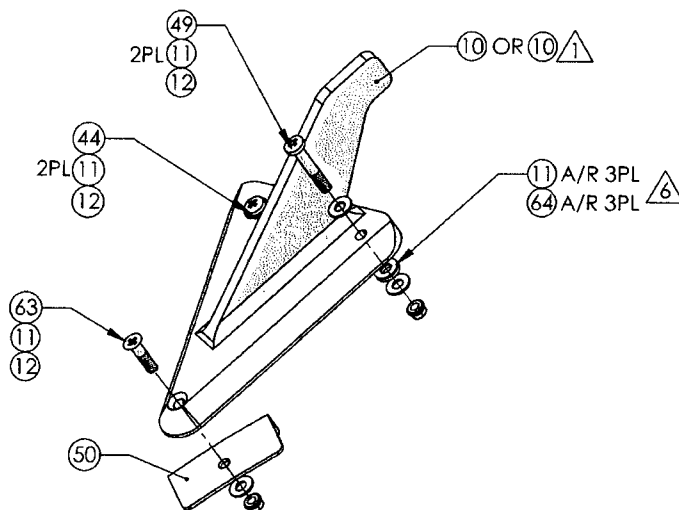


SECTION C-C

ORIGINAL DATE 10-01-08		APICAL INDUSTRIES	
DRAWN BY S. HUFF		2608 TEMPLE HEIGHTS DR.	
CHECKED BY P. BRAVO		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		AS350 CABLE CUTTERS KIT	
CONTRACT NO.		SHEET 3 OF 4	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°		DATE 8/07/16	REV 8
SCALE NONE		DWG. NO. 646.4000	REV 8

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE 08-27-88		APICAL INDUSTRIES	
DRAWN BY S. HUFF		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY P. BRAVO		AS350 CABLE CUTTERS KIT	
DRAWING APPROVAL P. BRAVO 08-27-88		SCALE NONE	SHEET 4 OF 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°		REV. B	REV. B